

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Satoru KOBAYASHI et al. Art Unit:
Application No.: filed concurrently Examiner:
Title: A LEAD-FREE SOLDER, AND A LEAD-FREE JOINT
International Application No.: PCT/JP2003/013511
International Filing Date : October 23, 2003
Priority Date : October 24, 2002
U.S. Filing Date : April 19, 2005

Mail Stop PCT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to their duty of good faith and candor as set forth in 37 CFR 1.56(a), applicants request that the enclosed references cited on attached form PTO-1449 be considered by the Examiner in connection with the search of the prior art required by 37 CFR 1.104.

Please note that four (4) of the enclosed Japanese Patent Publications are discussed on pages 2-3 of the specification.

Enclosed also please find a copy of the International Search Report citing other references. The relevance of these other references can also be seen from the International Search Report. English abstracts for the Japanese reference are also enclosed.

Please note that the English language translations of the Japanese references are also enclosed. Please also note that these English translations are machine translations provided by the Japan Patent Office and the Japan Patent Office states that the translations may not precisely reflect the original Japanese text.

Please also note that a copy of U.S. Patent Application Publication No. 2004/0091385 is also enclosed, which is an English language counterpart for German Patent Publication No. 100 45 991.

This Statement is being filed under 37 CFR 1.97(b) prior to the mailing date of a first Office Action on the merits.

10/532004

Information Disclosure Statement

Applicants: Satoru KOBAYASHI et al.

Title: A LEAD-FREE SOLDER, AND A LEAD-FREE JOINT

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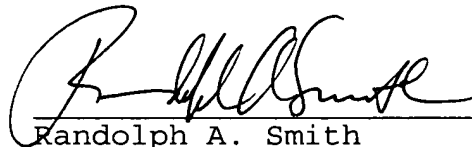
JC20 Rec'd PCT/PTO 19 APR 2005

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached at the telephone number listed below.

Respectfully submitted,

Date: April 19, 2005



Randolph A. Smith

Reg. No. 32,548

SMITH PATENT OFFICE

1901 Pennsylvania Ave., N.W.

Suite 200

Washington, D.C. 20006-3433

Telephone: 202/530-5900

Facsimile: 202/530-5902

Kobayashi041905

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number **10/532004**
 Filing Date April 19, 2005
 Applicants Satoru KOBAYASHI et al.
 Group Art Unit
 Examiner Name
 Attorney Docket Number 0099/013001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	DOCUMENT NUMBER	Kind Code ² (if known)	NAME	DATE MM-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,429,882		CAREY, II et al.	07/1995	
		2004-91385	A	LEYENDECKER et al.	05/2004	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document			NAME	DATE MM-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		JP	55-65341	A	TAGUCHI et al.	05/1980		Abstract
		JP	56-69341	A	TAGUCHI et al.	06/1981		Abstract
		JP	6-79494	A	MICHIDA	03/1994		X
		JP	6-256922	A	YANAGAWA et al.	09/1994		X
		JP	7-96386	A	YANAGAWA et al.	04/1995		X
		JP	11-172352	A	SHIMIZU	06/1999		X
		JP	11-172353	A	SHIMIZU	06/1999		X
		JP	2000-15478	A	TADAUCHI et al.	01/2000		X

EXAMINER

DATE CONSIDERED

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known

Application Number	10/532004
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Group Art Unit

Examiner Name

Attorney Docket Number	0099/013001
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

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Application Number	filed concurrently 10/532004
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Group Art Unit	
Examiner Name	
Attorney Docket Number	0099/013001

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

[illegible]

EXAMINER

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